Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/12/2019 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125675	0	1.23	125777	1.23
Blue	F	SSC	125000	123877	-1	1.67	124707	1.64
Blue	E	FITC	16122	15678	-3	2.71	341	19.77
Blue	D	PE	29316	28655	-3	1.82	627	14.72
Blue	B	PerCP-Cy5-5	42590	41996	-2	3.65	1133	20.27
Blue	A	PE-Cy7	33146	33254	0	6.00	634	40.43
Red	C	APC	45473	44729	-2	2.43	1580	12.15
Red	A	APC-Cy7	31961	31005	-3	2.31	819	11.94
Violet	B	V450	7914	7451	-6	5.05	418	13.91
Violet	A	V500	29769	28143	-6	4.98	654	10.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21598	3.32	609	9	N/A	N/A	Pass
Blue	F	SSC	56379	1.17	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	540	3	0.0213	190	Pass
Blue	D	PE	132	47.72	542	5	0.1504	218	Pass
Blue	B	PerCP-Cy5-5	206	50.15	647	9	0.0091	64	Pass
Blue	A	PE-Cy7	116	103.97	700	9	0.0113	27	Pass
Red	C	APC	376	24.55	585	6	0.0237	67	Pass
Red	A	APC-Cy7	181	28.47	561	5	0.0056	891	Pass
Violet	B	V450	64	62.17	463	3	0.0462	2020	Pass
Violet	A	V500	99	32.43	475	3	0.0215	508	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.18	-31.78	1.03
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.52
Red	16.23	13.60 - 20.40	N/A	N/A	29.27	29.73	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13452

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments